

PART 2 DAM MANAGEMENT AND MAINTENANCE**TABLE OF CONTENTS**

Preface	i
Acknowledgements and Disclaimer	ii
Indiana Dam Safety Manual Comments Form	iii
1.0 INTRODUCTION	1-1
2.0 MANAGEMENT AND MAINTENANCE PLAN	2-1
2.1 OVERVIEW	2-1
2.2 BACKGROUND DATA.....	2-2
2.3 ROUTINE PROCEDURES	2-3
2.3.1 Operating Instructions	2-4
2.3.2 Inspection Instructions	2-5
2.3.3 Monitoring Instructions	2-5
2.3.4 Maintenance Instructions	2-6
2.4 EMERGENCY RESPONSE PROCEDURES.....	2-7
2.4.1 Identification of Hazard Area.....	2-10
2.4.2 Identification of Emergency and Potential Risks	2-12
2.4.3 Notification Procedures	2-13
2.4.4 Available Resources	2-17
2.4.5 Emergency Repair Procedures	2-17
3.0 DAM OPERATION	3-1
3.1 THE WATERSHED AND RESERVOIR LEVELS.....	3-1
3.1.1 The Watershed.....	3-1

3.1.2 Reservoir Levels	3-2
3.2 OUTLETS AND DRAINS	3-3
3.3 MECHANICAL EQUIPMENT	3-5
3.4 WINTERIZING TECHNIQUES.....	3-7
3.5 SEDIMENTATION AND DREDGING.....	3-8
3.6 SITE ACCESS	3-8
3.7 VANDALISM	3-9
3.8 PUBLIC SAFETY	3-9
3.9 DESIGN MODIFICATIONS.....	3-10
3.10 INSTRUMENTATION AND MONITORING.....	3-11
3.10.1 Overview	3-11
3.10.2 Objectives of Instrumentation and Monitoring	3-12
3.10.3 Types of Instrumentation.....	3-14
3.10.4 Instrumentation Usage	3-19
4.0 DAM MAINTENANCE AND REPAIR.....	4-1
4.1 OVERVIEW	4-1
4.2 VEGETATION.....	4-3
4.2.1 Grass	4-3
4.2.2 Trees and Brush.....	4-5
4.2.3 Maintenance of Vegetation	4-7
4.3 EROSION	4-9
4.4 SEEPAGE.....	4-13
4.5 EMBANKMENT STRUCTURE	4-15

4.6	SPILLWAYS	4-17
4.7	TRASH RACKS	4-22
4.8	RIPRAP	4-23
4.9	CONCRETE REPAIR	4-24
4.10	ACCESS ROADS	4-49
4.11	MECHANICAL EQUIPMENT	4-49
4.12	MONITORING REPAIRS	4-52
4.13	RODENT CONTROL	4-52
4.14	MAINTENANCE RECORDS	4-54

APPENDICES

APPENDIX A SAMPLE BACKGROUND DATA SHEET

APPENDIX B REFERENCES